

ABSTRACT

A system for communication and mapping of business objects between a mobile client device and a plurality of backend systems via a network includes a mobile server and a mobile client device in data communication with the mobile
5 server. The mobile server includes a process automation engine, a communication module coupled to the process automation engine and a presentation module coupled to the process automation engine and the communication module. The process automation engine is configured to map business objects to a plurality of backend systems and includes a plurality of mobile business processes where each mobile
10 business process defines a flow and exchange of business objects between the mobile client device and at least one of the plurality of backend systems. The communication module is configured to receive and transmit business objects between the mobile client device and at least one of the plurality of mobile business processes via the network. The presentation module is configured to define a dynamic user interface
15 based on at least one mobile business process. The dynamic user interface is configured to integrate the business objects and the at least one mobile business process. The mobile client device includes a thick client application in data communication with the communication module and configured to receive the business objects and the definition of the dynamic user interface. The thick client
20 application is also configured to generate the dynamic user interface to facilitate viewing and modifying the business objects.